

FIG. 1

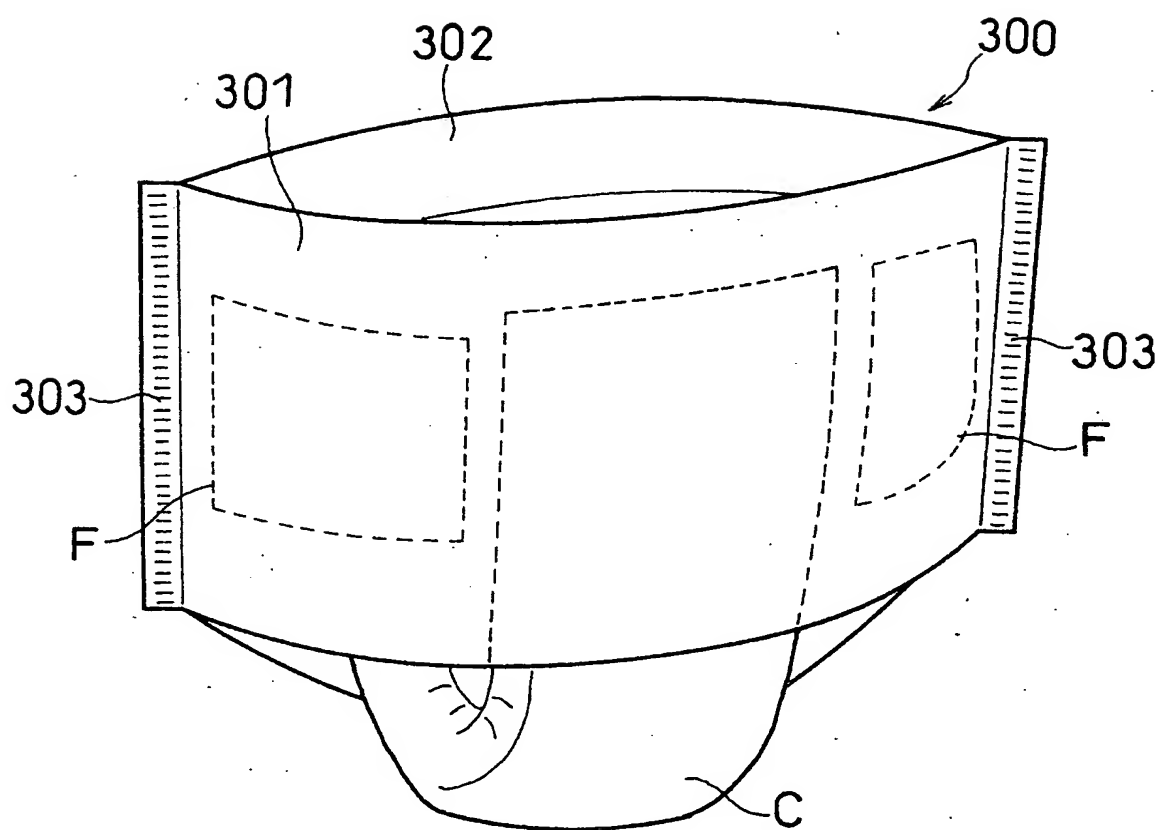


FIG. 2

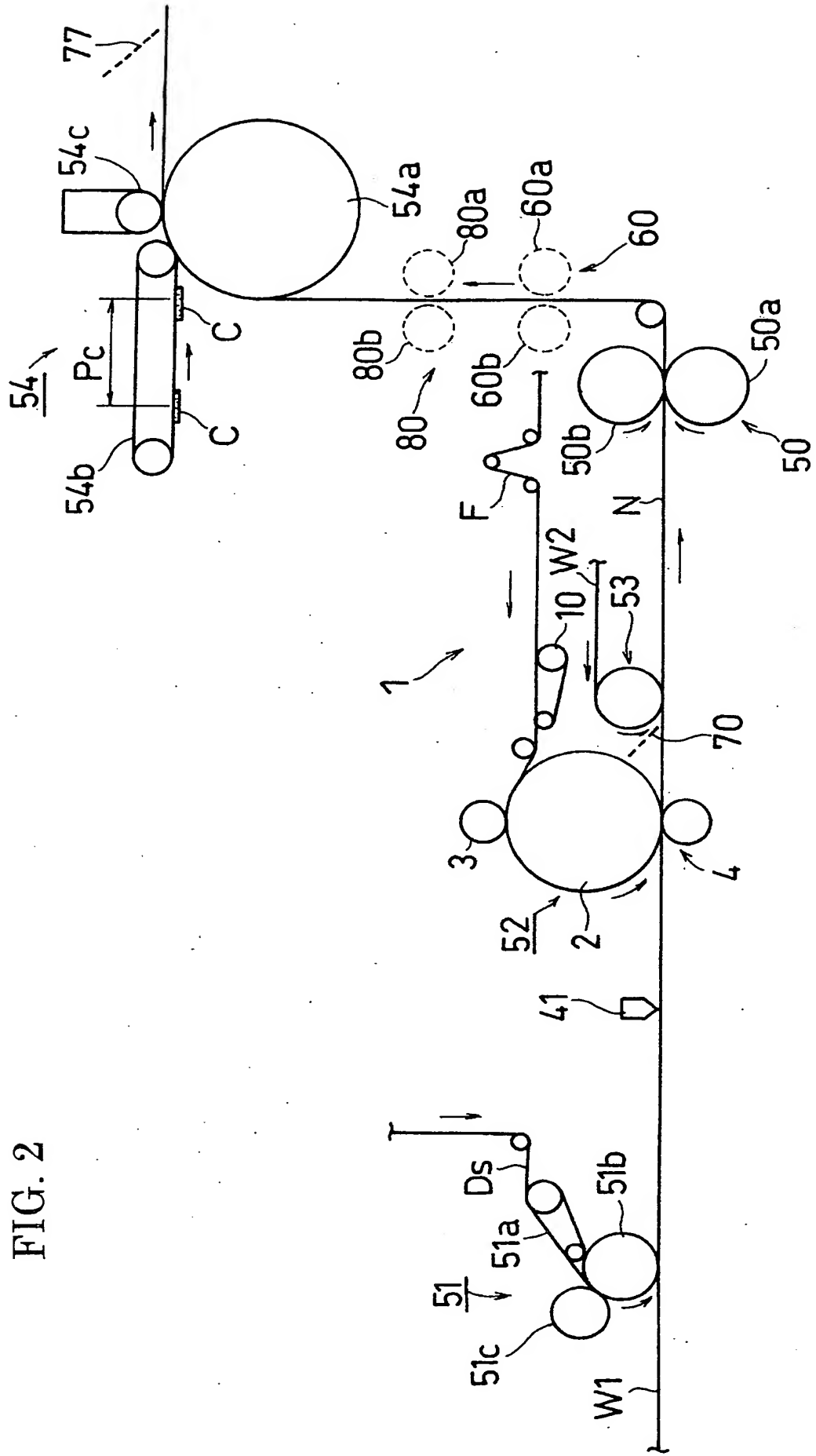


FIG. 3A

FIG. 3A is a schematic diagram of a mechanical system. A central hub 20 is connected to several arms 11, each ending in a component P1, P2, P3, P4, P5, or Pn. A large wheel 30 is at the top, with a vertical shaft 31 passing through its center CP. A horizontal shaft 10 is on the right, with a wheel 52 at its end. A horizontal line W1 is at the bottom, with a large wheel 4 below it. A component 41 is on the left. Various forces and velocities are indicated:  $V_S$ ,  $V_M$ ,  $F$ ,  $V_L$ , and  $B$ . A dashed line  $B$  is also shown.

FIG. 4A

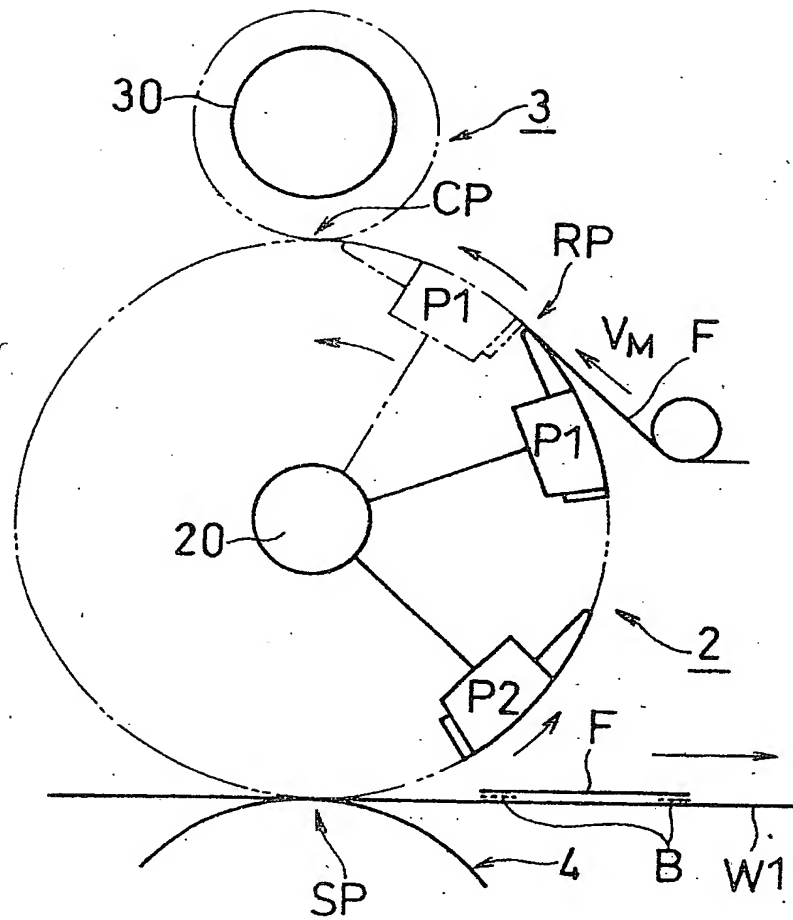


FIG. 4B

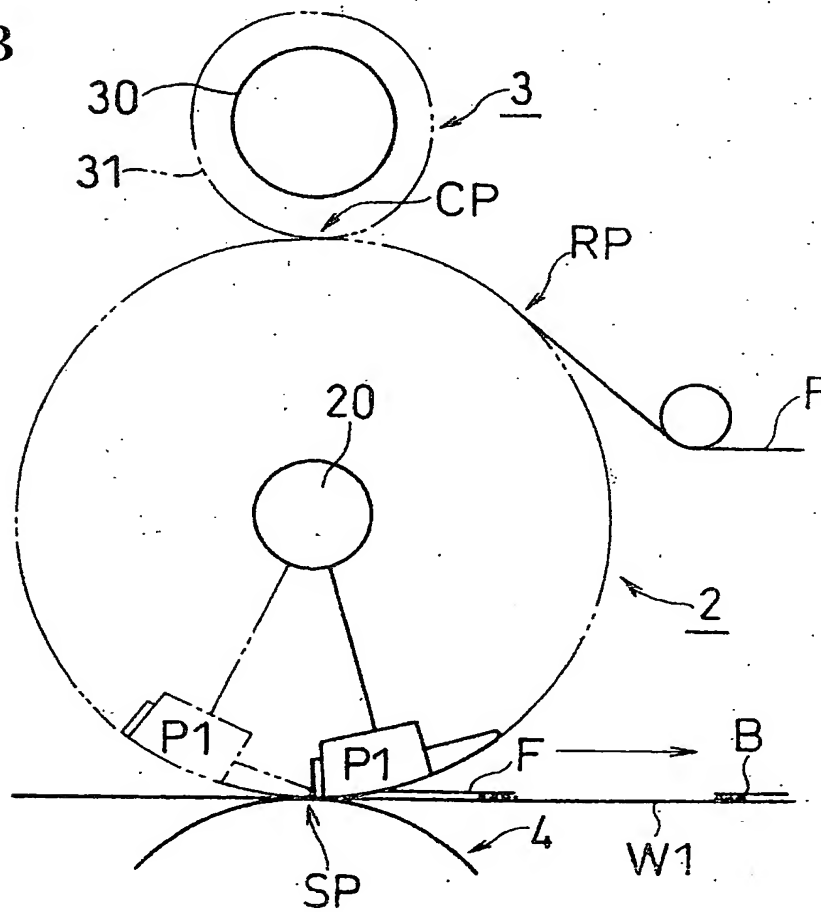




FIG. 6A

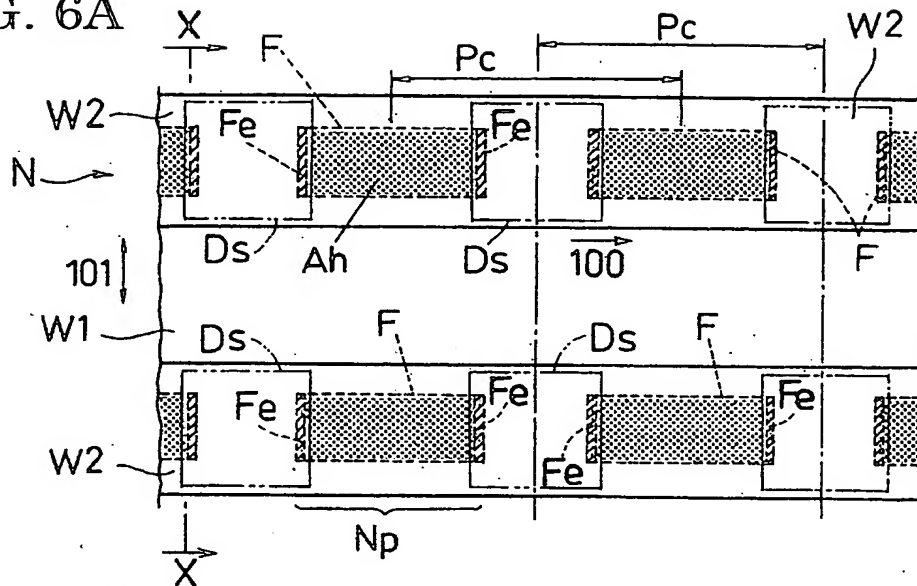


FIG. 6B

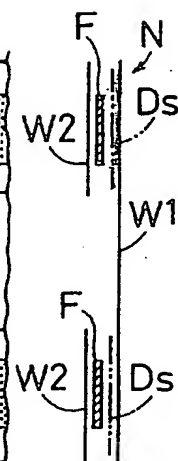


FIG. 6C

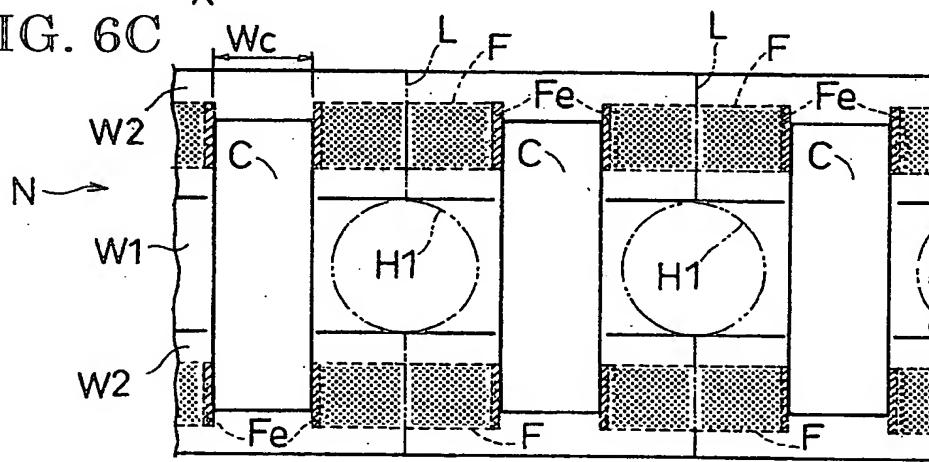


FIG. 6D

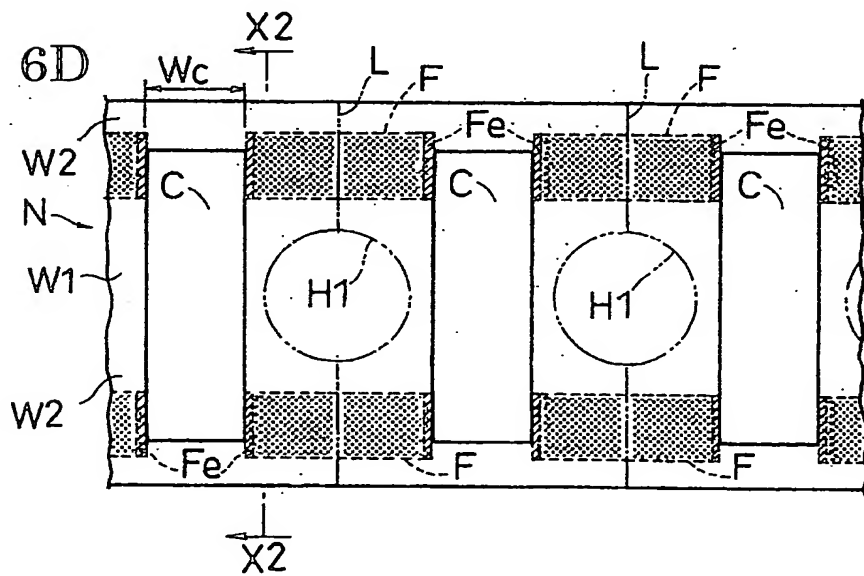


FIG. 6E

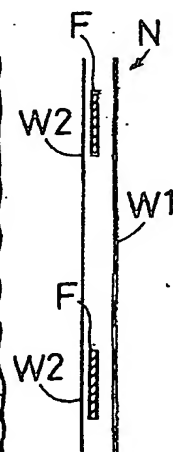


FIG. 7A

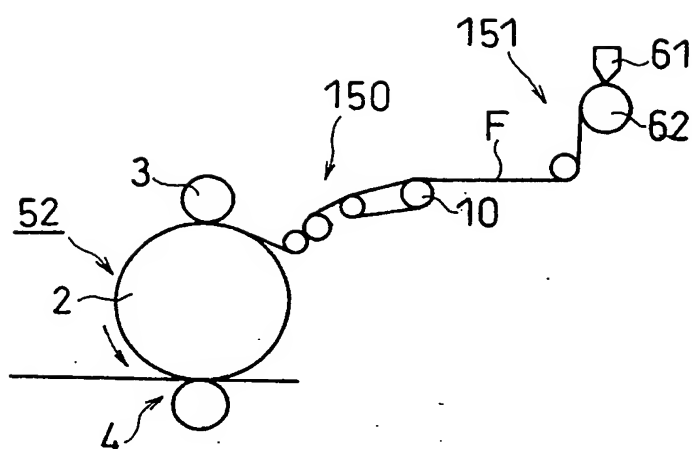


FIG. 7B

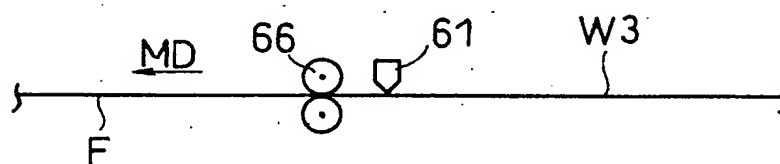


FIG. 7C

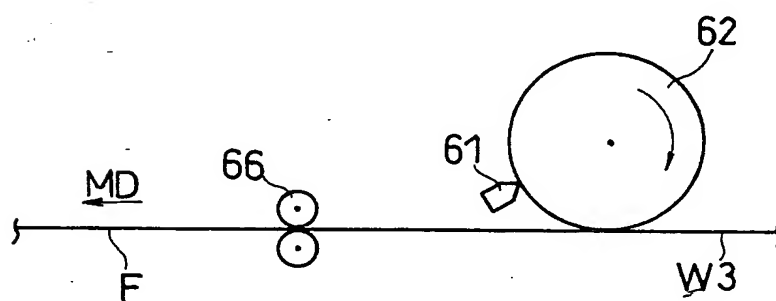


FIG. 7D

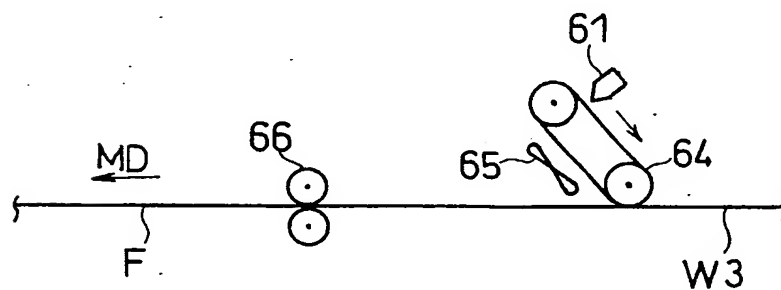


FIG. 8A

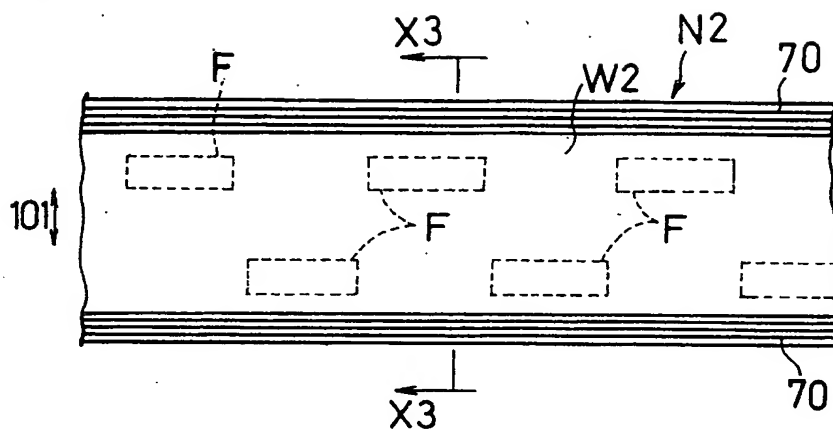


FIG. 8B

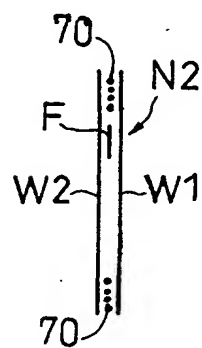


FIG. 8C

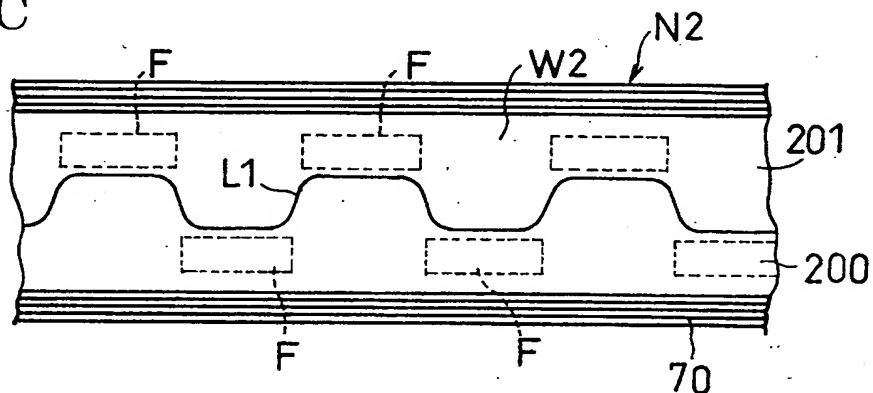


FIG. 8D

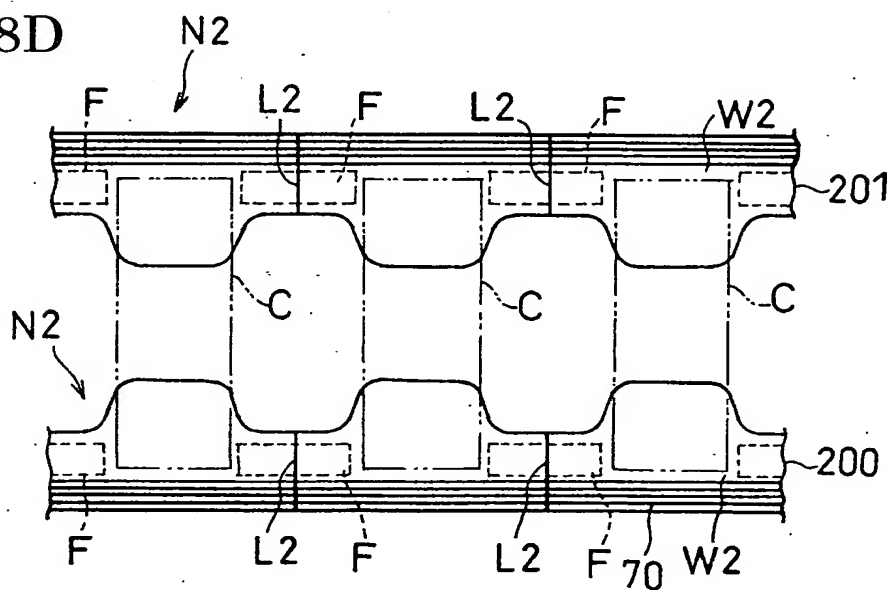




FIG. 9A

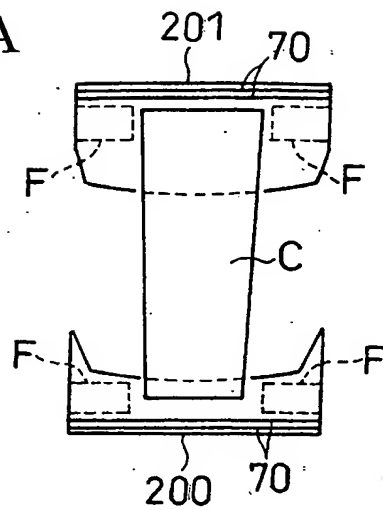


FIG. 9B

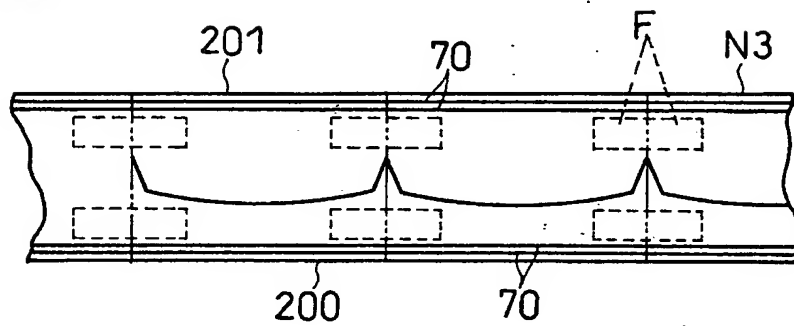


FIG. 9C

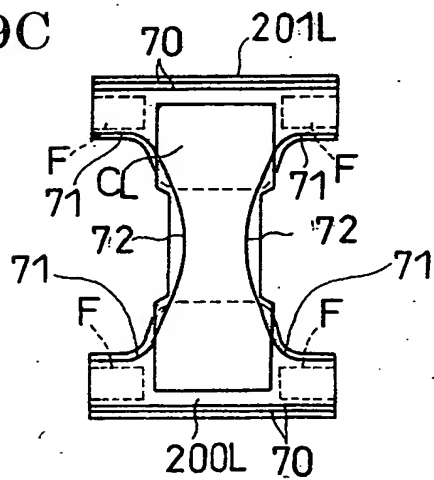


FIG. 9D

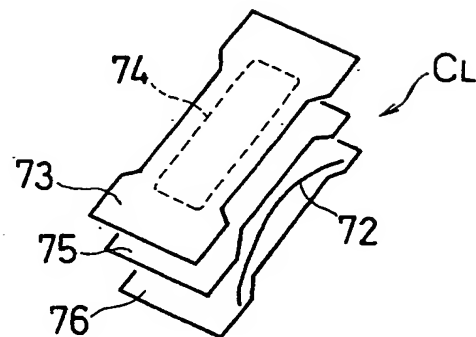


FIG. 10A

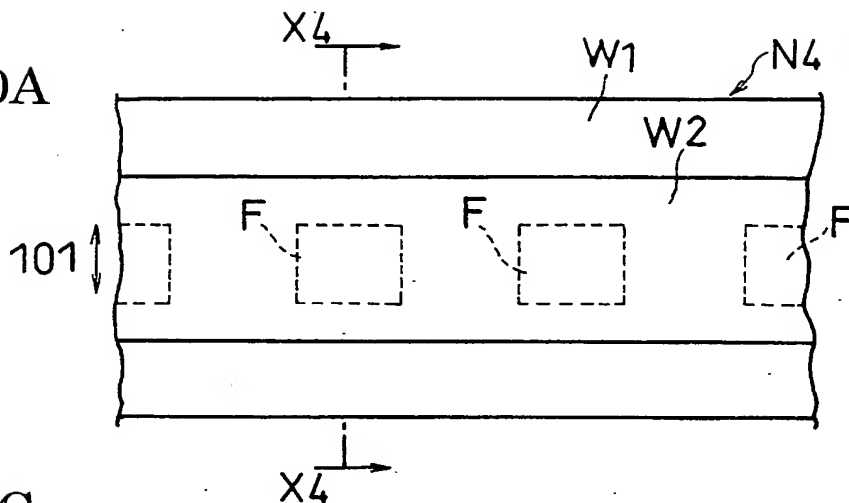


FIG. 10B

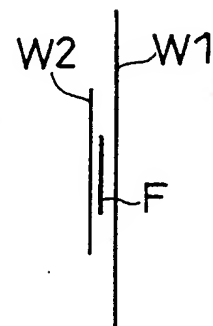


FIG. 10C

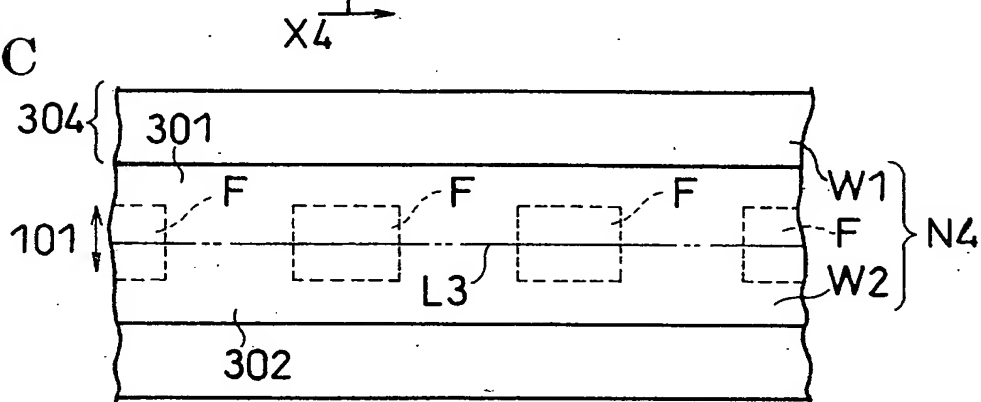


FIG. 10D

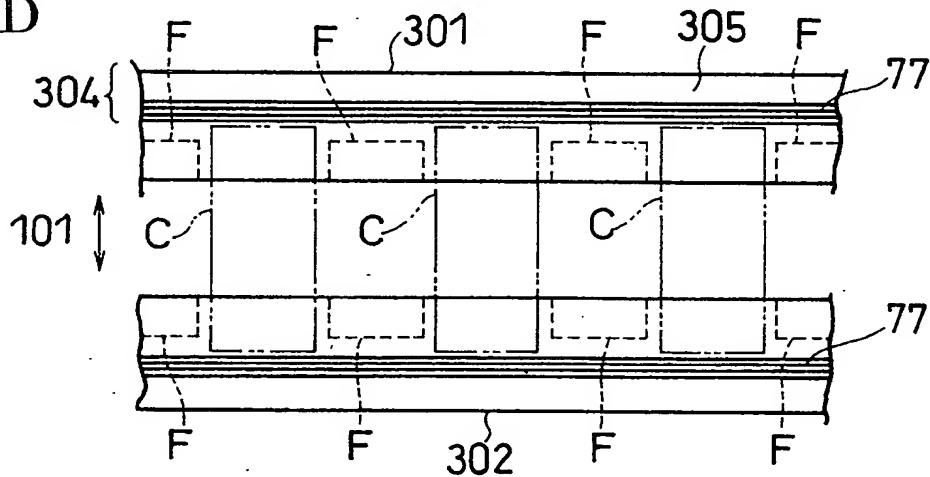


FIG. 10E

